

Altair

Subject: 9th BIOLOGY

Class:

Scientific Investigation

Date: March 4

2011



Teacher's notes

Objectives

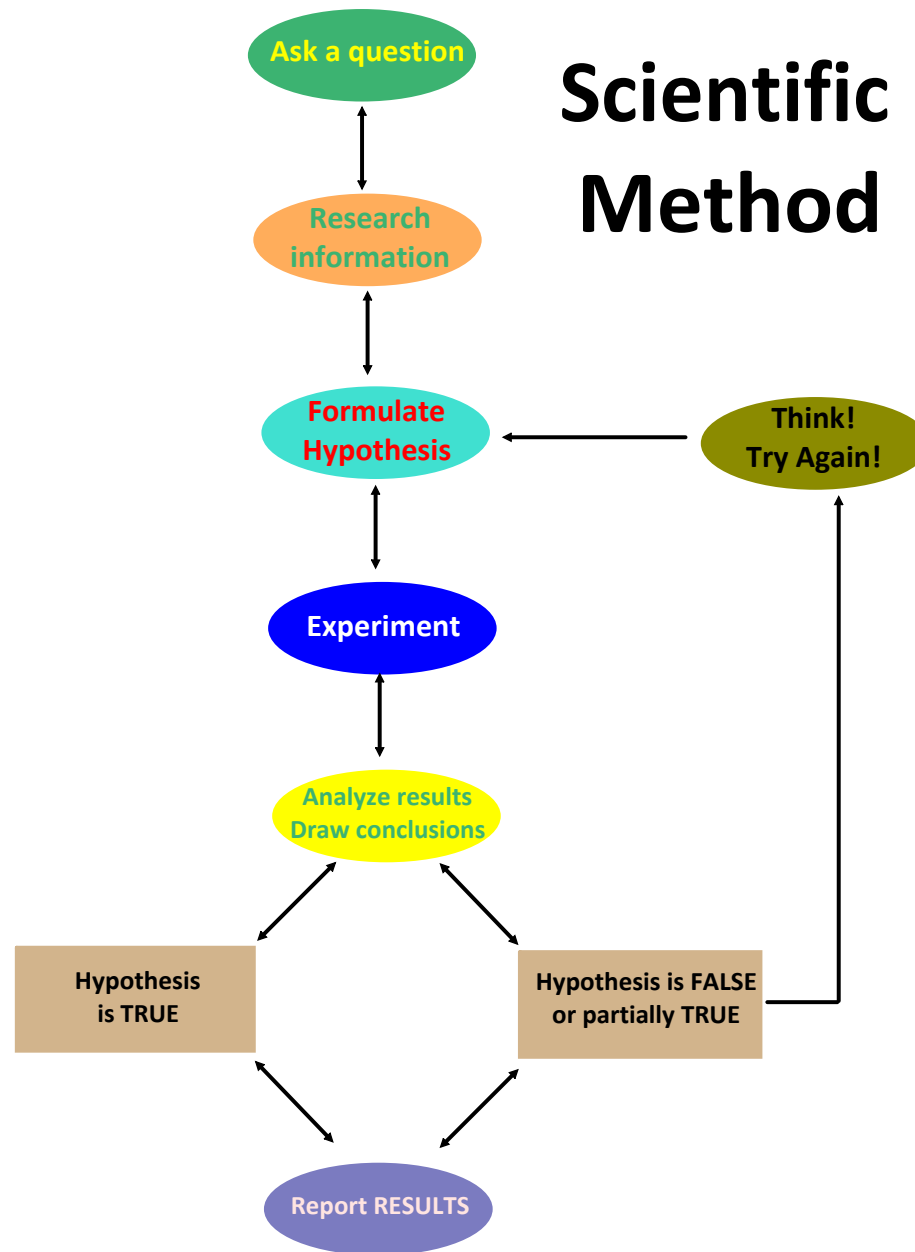
Vocabulary

Link and Learn

Prepared by

What Makes a Science a Science?

Scientific Method



Identify the main areas in Science benefited by these characters in history.





<http://bit.ly/bcCwod>



GROUP ACTIVITY



- Search, filter and analyze information about:

CREATION OF LIFE

Tips:

What was known about the creation of life in the 19th century?

What facts supported those views?

What were the theories that explained the Creation of Life?

Who supported those beliefs?

How were those theories proved?

What is the current knowledge about the Creation of Life?

- Prepare a PPT/Notebook presentation on these views, including your personal opinion.
- *Extra Work: Prepare a Video to enhance your presentation, upload it to YouTube and share the link.*

MATERIAL TO WORK IN CLASS:
Spontaneous Generation.pdf



<http://goo.gl/D1GGZ>

Lab Activity

Replicate the Experiments done by:

- **Francesco Redi**



- **Lazzaro Spalanzani**



- **Louis Pasteur**





Random Group Generator

1.0

Number of groups

Teacher's Notes

This class has been designed to cover the topics of *The Scientific Method* from Thursday, March 3rd till Friday, March 4th.

For further knowledge about this topic:

1. Conduct a thorough search under the topic: *Scientific Investigation* on the Web, books and magazines.
2. If findings are not specific, ask your teacher for suggestions.

BACK

Objectives

- Explain the scientific character of any activity or discipline.
- Identify and apply the stages of the Scientific Method.
- Prepare and conduct a laboratory activity.

***Note:** All, or most, of the objectives will be covered during class time, however the student must be responsible for those objectives not covered or concluded.*

BACK

Vocabulary

- Science:
- Biology:
- Scientific Method:
- Hypothesis:
- Experiment:
- Spontaneous:
- Generation:

Note: *Most of the vocabulary words will be covered during class time, however the student must be responsible for those words not covered or concluded.*

BACK

Link and Learn

You can visit the following websites to improve your understanding on the present topic:

- <http://science-altair.wikispaces.com>
- <http://learningandscience.blogspot.com>

BACK

Prepared by



Gerardo LAZARO

SCIENCE and BIOLOGY Teacher

Email: glazaro@altair.edu.pe

Wiki: <http://science-altair.wikispaces.com>

Blog: <http://learningandscience.blogspot.com>

Twitter: <http://twitter.com/glazaro>

BACK

Attachments

[Spontaneous Generation - Redi Experiment.pdf](#)

[Spontaneous Generation - Spallanzani's Experiment.pdf](#)

[Spontaneous Generation - Pasteur's Experiment.pdf](#)

[Spontaneous Generation.pdf](#)